## WHAT IS CLAIMED IS:

- 1. A method of packaging a heat conductive composition for transferring heat from a heat-dissipating component to a heat-dissipater comprising the steps:
  - (a) providing a heat conductive composition comprised of:
    - (i) 60% to 90% by weight of paraffin;
    - (ii) 0% to 5% by weight of resin; and
    - (iii) 10% to 40% by weight of graphite;
  - (b) providing a planner substrate; and
  - (c) forming a film of the heat conductive composition provided in step (a) upon the substrate of step (b).
- 2. The method of Claim 1 wherein in step (c), said film of said heat conductive composition is applied to the substrate to a thickness of 3 mil or less.
- 3. The method of Claim 2 wherein said heat conductive composition is applied to a thickness of 0.5 to 3 mil.
- 4. The method of Claim 1 further comprising the step:
  - (d) cutting the film formed upon the substrate to a particular shape.
- 5. The method of Claim 1 wherein in step (a), said heat conductive composition further comprises petrolatum.
- 6. The method of Claim 5 wherein said petrolatum is present in an amount no greater than about 22.5% by weight of said composition.
- 7. A method of applying a heat conductive composition to a heat sink comprising the steps:
  - (a) providing a heat-conductive composition comprised of:
    - (i) 60% to 90% by weight of paraffin;
    - (ii) 0% to 5% by weight of resin; and
    - (iii) 10% to 40% by weight of graphite;
  - (b) heating the surface of said heat sink; and
  - (c) applying the heat conductive composition in step (a) to the heated heat sink in step (b).
- 8. The method of Claim 7 wherein in step b, said heat sink is heated to a temperature not to exceed 51° C.
- 9. The method of Claim 8 wherein said heat sink is heated to a temperature between 40° to 50°.

- 10. The method of Claim 7 wherein in step a, said heat conductive composition further comprises:
  - (d) petrolatum.
- 11. The method of Claim 9 wherein said petrolatum is present in an amount no greater than about 22.5% by weight of said composition.
- 12. A method of applying a heat conductive composition to a heat sink comprising the steps:
  - (a) providing a heat-conductive composition comprised of:
    - (i) 60% to 90% by weight of paraffin;
    - (ii) 0% to 5% by weight of resin; and
    - (iii) 10% to 40% by weight of graphite;
  - (b) applying a solvent to an interface mating surface formed on the heat sink; and
  - (c) applying the heat conductive composition in step (a) to the interface mating surface in step (b).
- 13. The method of Claim 12 wherein in step (a) said composition further comprises (d) petrolatum.
- 14. The method of Claim 13 wherein said petrolatum is present in an amount no greater than about 22.5% by weight of said composition.
- 15. A method of applying a heat conductive composition to a heat sink comprising the steps:
  - (a) providing a heat conductive composition comprised of:
    - (i) 60% to 90% by weight of paraffin;
    - (ii) 0% to 5% by weight of resin; and
    - (iii) 10% to 40% by weight of graphite; and
  - (b) compressing said composition in step (a) onto an interface mating surface formed upon said heat sink.
- 16. The method of Claim 15 wherein in step (a) said composition comprises (d) petrolatum.
- 17. The method of Claim 16 wherein said petrolatum is present in an amount no greater than about 22.5% by weight of said composition.
- 18. The method of Claim 1 wherein in step (b), said planner substrate is selected from the group consisting of a polyester release substrate and silicone-treated paper.
- 19. A thermally-conductive composition for facilitating the transfer of heat from an

electronic component to a heat sink comprising:

- (a) 60% to 90% by weight of paraffin;
- (b) 0% to 5% by weight of resin; and
- (c) 10% to 40% by weight of an electrically-conductive filler.
- 20. The composition of Claim 19 wherein said electrically-conductive filler is selected from the group consisting of graphite, diamond, silver, and copper.
- 21. The composition of Claim 19 wherein said composition is formulated to take a form selected from the group consisting of a film and a bar.
- The composition of Claim 19 wherein said resin is present in an amount of 3.3% or less by weight of said composition.
- 23. The composition of Claim 19 wherein said composition further comprises petrolatum, said petrolatum being present in an amount no greater than 22.5% by weight of said composition.
- 24. The composition of Claim 19 wherein said paraffin comprises 51°C paraffin wax.
- 25. The composition of Claim 19 wherein said paraffin comprises 60°C paraffin wax.
- 26. The composition of Claim 19 wherein said resin comprises an ethylene vinyl acetate copolymer.
- 27. The method of Claim 1 wherein said paraffin comprises 50°C paraffin wax.
- 28. The method of Claim 1 wherein said paraffin comprises 60°C paraffin wax.
- 29. The method of Claim 1 wherein said resin comprises an ethylene vinyl acetate copolymer.
- 30. The method of Claim 7 wherein said paraffin comprises 50°C paraffin wax.
- 31. The method of Claim 7 wherein said paraffin comprises 60°C paraffin wax.
- 32. The method of Claim 7 wherein said resin comprises an ethylene vinyl acetate copolymer.
- 33. The method of Claim 12 wherein said paraffin comprises 50°C paraffin wax.
- 34. The method of Claim 12 wherein said paraffin comprises 60°C paraffin wax.
- 35. The method of Claim 12 wherein said resin comprises an ethylene vinyl acetate copolymer.
- 36. The method of Claim 15 wherein said paraffin comprises 50°C paraffin wax.
- 37. The method of Claim 15 wherein said paraffin comprises 60°C paraffin wax.
- 38. The method of Claim 15 wherein said resin comprises an ethylene vinyl acetate copolymer.

- 39. The composition of Claim 19 wherein said paraffin component is present in an amount of approximately 67.2% by weight; said resin is present in amounts of approximately 3.3% by weight; and said electrically-conductive fillers present in an amount of approximately 29.5% by weight.
- 40. A thermally-conductive composition for facilitating the transfer of heat from an electronic component to a heat sink, said composition consisting essentially of:
  - (a) a wax component;
  - (b) a resin component;
  - (c) an electrically-conductive filler; and
  - (d) optionally, a thinning agent; and
  - (e) optionally, a thickening agent; and
  - (f) optionally, a petrolatum component.
- 41. The composition of Claim 40 wherein said thinning agent comprises a polyalphaolephin.
- 42. The composition of Claim 40 wherein said thinning agent is present in an amount no greater than about 2% by weight of said composition.
- 43. The composition of Claim 40 wherein said thickening composition comprises fumed silicia.
- 44. The composition of Claim 40 wherein said thickening agent is present in an amount no greater than about 5.0% by weight of said composition.
- 45. The composition of Claim 40 wherein said petrolatum component is present in an amount no greater than about 22.5% by weight of said composition.
- 46. A thermally-conductive composition for facilitating the transfer of heat from an electronic component to a heat sink, said composition comprising:
  - (a) 67-67.5% by weight of paraffin;
  - (b) 29-30% by weight of graphite; and
  - (c) 3.0-3.5% by weight of resin.